Thermo Scientific
Fiberlite Carbon Fiber Rotors

accelerate productivity
with unequalled durability

Thermo
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Thermo Scientific Fiberlite Rotors

Fiberlite rotors maximize centrifuge performance **with versatility, speed and a robust corrosion-free design**

Improved ergonomics and productivity

Lightweight design

Large metal centrifuge rotors often present a unique lifting hazard in the laboratory due to their weight and awkward shape. Lightweight Fiberlite® rotors – up to 60% less weight than metallic rotors[1] – feature improved ergonomics for a safer work environment and minimize the risk of damage to centrifuge equipment.

Additionally, these lightweight properties result in faster acceleration/deceleration rates for shorter run times.

Unequalled durability and cleaning convenience

Corrosion and fatigue resistance

Traditionally, the primary cause of rotor failure is from damage to metal surfaces due to moisture, chemicals or alkaline solutions that weaken the metal rotor's structural integrity. Carbon fiber composite rotors are corrosion-resistant, eliminating this ever-present hazard, and are safe to use with most mild laboratory detergents and solutions, ensuring easy rotor care and maintenance.

Substantial load or stress, as a result of high rotational speeds and repeat cycles, can also threaten metal rotor structure by causing it to stretch and change in size, limiting rotor life or leading to failure. Fiberlite rotors are fatigue-resistant, eliminating this threat.

Exceptional value within your reach

15-year warranty[2] in all centrifuges

Unlike the limited lifetime of metal rotors due to potential failure risks, Fiberlite carbon fiber rotors are backed by the most comprehensive warranty[2] coverage available.

Unique repairability

In contrast to traditional metal rotors, Fiberlite carbon fiber rotors are repairable if damaged.

Superior insulation

Carbon fiber material possesses naturally insulating properties, which helps to maintain sample temperature integrity.

Weight comparison of fully loaded 6 x 250 mL capacity floor model rotors[1]

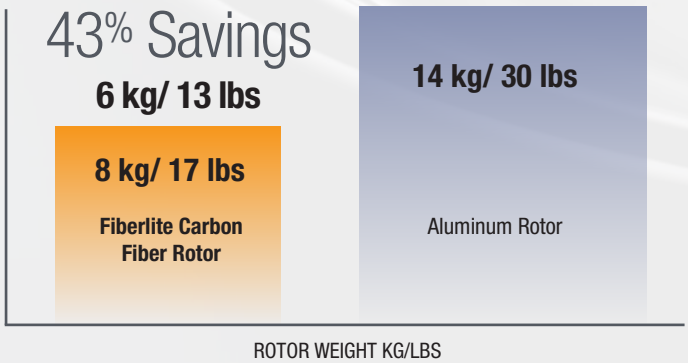


Figure 1: Weight savings with carbon fiber rotors.

[1] Based on a comparison with manufacturers' published specifications.

[2] Subject to Thermo Fisher Scientific's standard limited warranty. See thermoscientific.com or your sales representative for details.

Thermo Scientific Fiberlite rotors are available for a wide range of processing needs –

- ADME/Toxicology
- Bioproduction
- Blood Banking
- Cell Biology
- Cell Culture
- Cell and Tissue Analysis
- Chemistry
- Clinical Chemistry
- Evidence Collection
- Forensic Analysis
- Formulation
- Immunology
- Microbial Testing
- Microbiology
- Nucleic Acid Research
- Nutritional and Dietary Concerns
- Pathology
- Pharmaceutical QC and Production
- Protein Analysis, Isolation and Expression
- RNAi and Gene Regulation
- Stem Cell
- Water and Waste Water Analysis and Water Pollution Analysis

[3] Warranty coverage may vary by rotor. Please refer to manufacturer for specific warranty coverage for each rotor.

[4] Average warranty periods were calculated based on industry average of years an aluminum or titanium rotor may be covered under warranty per manufacturers' published specifications.

Acceleration and deceleration rate comparison of 6 x 250 mL capacity floor model rotors[1]

Figure 2: Time savings with carbon fiber rotors.

Average warranty periods for metal rotors compared with Fiberlite carbon fiber rotors[4]

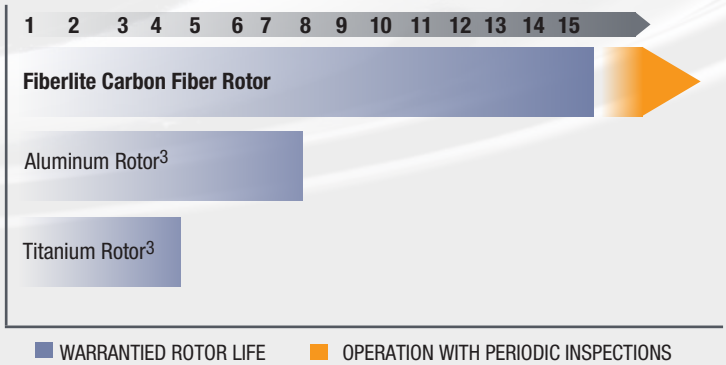


Figure 3: Warranty with carbon fiber rotors.

Best-in-class Thermo Scientific Fiberlite rotor portfolio

Seamless integration

From benchtop instruments to advanced floor models, Thermo Scientific centrifuge systems deliver outstanding performance and reliability in the lab. We provide an integrated solution of rotors, equipment, and accessories, offering exceptional value and best-in-class features including:

- innovation and technical design
- high throughput and speed
- operator, sample and system safety
- operational longevity of your system

Superior sample containment

- In the event of tube or bottle failure, a volume of fluid is contained inside the rotor in a liquid containment annulus, preventing biohazardous samples from escaping; available on select rotors.
- To enhance containment of biohazardous samples, rotors certified by the Public Health Laboratory Service, Microbiology Services, Porton Down, UK are noted by
- Lids for rotors featuring Auto-Lock rotor exchange enable rotors to remain sealed while being carried to a biocontainment hood for sample retrieval; available on select rotors.

Thermo Scientific Fiberlite LEX Rotor Series

Introducing the latest innovation in Thermo Scientific Fiberlite carbon fiber rotor technology.

The next generation of high capacity Fiberlite rotors, the Fiberlite LEX rotor series, further advances the current carbon fiber design, combining even lower mass with low kinetic energy to deliver superior ergonomics with outstanding performance and safety.

Fiberlite
- F9-6x1000 LEX
- F10-4x1000 LEX
- F12-6x500 LEX
- F20-12x50 LEX

Superior ergonomics

Fiberlite LEX rotors take the lightweight design of carbon fiber to a whole new level; these rotors are the lightest of their kind[1], with improved ergonomics for everyday ease of handling.

Exceptional performance

The new Fiberlite LEX rotor series provides outstanding RCF performance for enhanced productivity – up to 24,471 x g with the 6 x 500 mL (3 liter volume) LEX rotor and up to 17,568 x g with the 6 x 1000 mL (6 liter volume) LEX rotor.

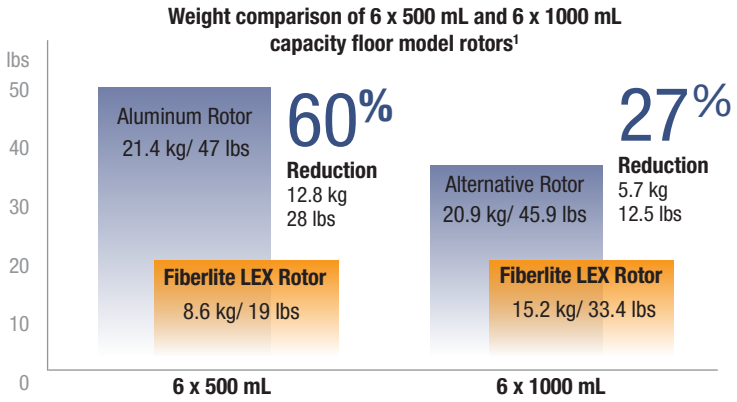


Figure 4: Lower weight advantage of Fiberlite LEX rotors.

Enhanced safety

From sample protection with advanced sealing properties, to safety of equipment and lab personnel with the rotor's lifting handle, Fiberlite LEX rotors are the top choice for a safe work environment.

In today's biomedical and microbiological laboratories, containment of biological agents and infectious substances are an essential element in maintaining a safe environment. Fiberlite LEX rotors provide multiple levels of protection to enhance biosafety without compromising functionality or convenience.

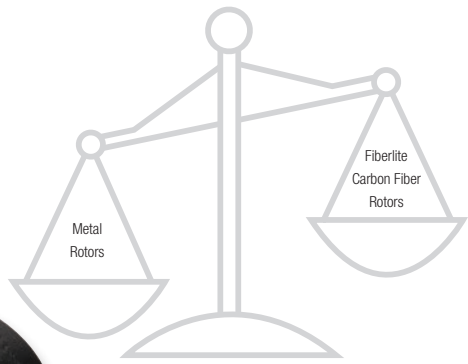
1 **Biocontainment Tested:** Fiberlite LEX rotors certified by the Public Health Laboratory Service, Microbiology Services, Porton Down, UK are noted by

2 **Liquid Containment Annulus:** In the event of a bottle failure, a volume of fluid is contained inside the rotor, preventing biohazardous samples from escaping.

3 **Auto-Lock Rotor Exchange with Auto-ID Rotor Identification:** Simplifies run set-up and eliminates the worry of overspeeding or rotor accidents.

Lower kinetic energy resulting from the lightweight design, enhances equipment performance and safety of work environment.

[1] Based on a comparison with manufacturers' published specifications.



Superspeed Rotors

With volumes ranging from 1.5 mL to 6 Liters, a full range of Fiberlite carbon fiber rotors is available for superspeed floor model centrifuges, facilitating applications spanning pharmaceutical, biotechnology and academic research.

Figure 5: Rotor cross section displaying the position of the built-in lifting handle and liquid containment annulus (available on select rotors).

Fiberlite rotor model nomenclature

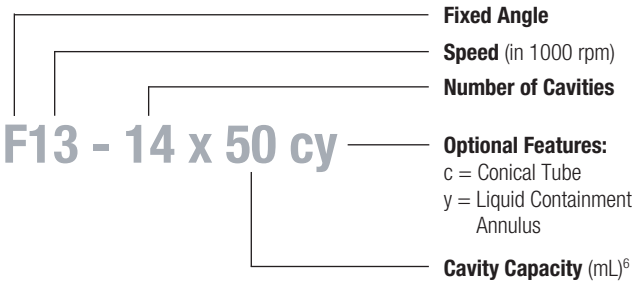


Figure 6: Fiberlite rotor model nomenclature.

6 Actual fill volumes may vary from nominal volume.

High capacity and seamless compatibility

Fiberlite | F9-6x1000 LEX
F10-4x1000 LEX
F12-6x500 LEX
F14-6x250y

- Simplify preparation by loading tubes directly into Fiberlite rotors, eliminating multi-piece canister assemblies, which can be misplaced or damaged.
- Work seamlessly with Thermo Scientific Nalgene bottles, including the high performance 1-liter wide-mouth polypropylene and polycarbonate centrifuge bottles that process a full liter at maximum speeds (20,584 x g) with leakproof assembly.

Enhanced ergonomics

- Lightweight design allows easy rotor transport in and out of the centrifuge.
- Installation or exchange of rotors requires less force – especially with lifting handle on select models – reducing risk of injury.

Conical tube efficiency

Fiberlite | F14-14x50cy

- Spin 14 x 50 mL conical tubes at maximum rotor speed (33,700 x g) without tube damage.
- Process 15 mL conicals with available adapters for flexibility.

Small-volume protocol support

Fiberlite | F20-12x50 LEX
F21-8x50y
F23-48x1.5

- Small-volume pelleting and microtubes ranging from 1.5 to 50 mL at RCFs up to 57,300 x g.

Fiberlite Rotors for the

NEW! Thermo Scientific Sorvall LYNX Superspeed Centrifuge Series

Rotor innovations shorten run set-up time while providing peace-of-mind that the rotor is secure.

Figure 7: Auto-Lock rotor exchange: Secure, trouble-free rotor installation and removal in only 3 seconds.

Figure 8: Auto-ID instant rotor identification: Improves safety, saves times, and protects the integrity of your samples.

Figure 9: Speed handle on rotor lids: Makes tightening the lid safer while also simplifying lid removal.

Auto-Lock
rotor exchange

Secure, push-button rotor exchange in less than 3 seconds delivers:

- Improved safety and confidence that the rotor is automatically and securely locked and will not loosen during a run
- Trouble-free rotor installation and removal
  1. No tools are required
  2. The rotor locks itself to the centrifuge, eliminating the need for hand-tightening
- Flexibility to quickly change rotors and applications, matching the needs of your laboratory – today and in the future

Auto-ID
instant rotor identification

Immediate identification of a rotor when secured in the centrifuge chamber, with rotor specifications automatically loaded into the centrifuge parameters.

- Shortens run set-up time by eliminating the need to find and set rotor codes
- Eliminates over-speed risk, reduces error messages, and improves centrifuge, sample and operator safety

Speed handle
on rotor lids

- Accelerates and simplifies rotor lid tightening, ensuring lid is properly attached
- Easier and safer lifting and carrying of rotors, further enhanced with the lightweight design

innovative
rotor convenience

Conical Tubes

Complete workflow in disposable conical tubes

Fiberlite | F13-14x50cy
F14-14x50cy
F15-8x50cy

- Run samples in inexpensive disposable conical tubes, protecting from contamination and reducing sample transfers and non-productive tasks, such as autoclaving.
- Reduce processing times by spinning at maximum speeds up to 33,700 x g[7] without risk of tube damage.
- Clarify crude lysates for plasmid DNA preps from Qiagen® Maxi and Midi Prep protocols.

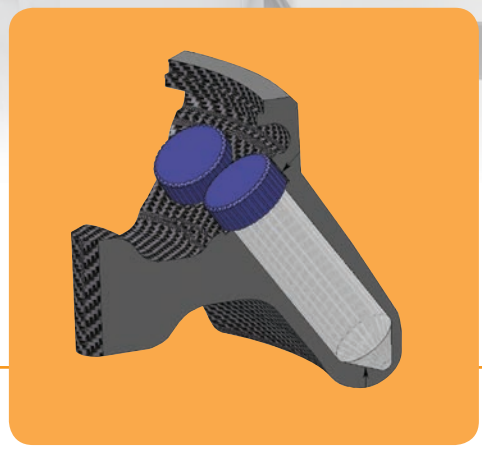


Figure 10: Through exclusive technology, Fiberlite rotor cavities are molded to the exact shape of many disposable conical tubes for maximum support; 50 mL conical tube shown here. In addition, a cap support is designed to relieve high g-forces.

Spin sample in one tube until it's ready to store.

01. Tube 1
For sample prep

02. Tube 2
For hard spin

03. Tube 3
For post spin steps

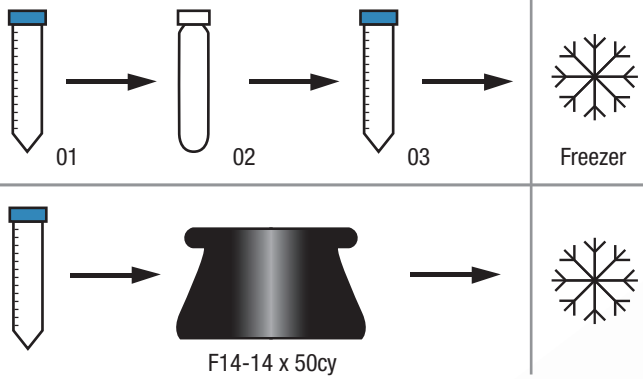


Figure 11: Support preparative centrifugation in a single conical tube for time and cost efficiencies and waste reduction.

[7] Maximum g-force specification may vary depending on centrifuge and tube manufacturer.

Ultraspeed Rotors

From proteomics and cell clarification to nucleic acid preparation, the superior design and manufacturing of Fiberlite ultraspeed rotors deliver high performance, eliminating corrosion and the need for derating or reducing speed over the rotor lifespan.

Large volume processing

Fiberlite | F37L-8x100

- Realize 33% more capacity[1] with two additional tube cavities for high volume separations.
- Achieve forces of up to 182,460 x g for time savings on separations of subcellular organelles or concentration of viruses.
- Collect or purify small macro molecular species including enzymes, antibodies and proteins from standard culture flasks up to 500 mL in a single run.

Remarkable sample throughput of microtubes

Fiberlite | F50L-24x1.5

- Provide full tube support at RCF of 280,000 x g for sharp and efficient pelleting of microparticles in high performance microtubes.
- Run partial filled tubes, as low as 0.2 mL, at maximum speed for extended times without excessive tube crazing or sample loss.
- Experience multifunctional use for preparative analysis with ultracentrifuge systems.

[1] Based on a comparison with manufacturers' published specifications.

Figure 12: Fiberlite ultraspeed rotors (counterclockwise from top right): F37L-8x100 (37,000 rpm; 182,460 x g); F50L-8x39 (50,000 rpm; 266,280 x g); F50L-24x1.5 (50,000 rpm; 280,000 x g); F65L-6x13.5 (65,000 rpm; 324,140 x g).

Large Capacity Rotors

Fiberlite large capacity rotors are ideal for batch bioprocessing of bacteria or yeast and clinical samples.

Figure 13: Fiberlite F8-6x1000y rotor (8,500 rpm; 15,900 x g).

Benchtop Rotors

Choose a Fiberlite benchtop rotor solution for high speed applications including PCR post-reaction cleanup, cell culture, plasma and general purpose separations, DNA sample preparation, subcellular fractionation and protein identification.

Accelerated applications

Fiberlite | F14-6x250LE, F15-6x100y

- Achieve outstanding g-force without compromising capacity – 250 mL up to 18,500 x g; 100 mL up to 24,500 x g – allowing more processing to be done on the benchtop.

Conical tube efficiency

Fiberlite | F13-14x50cy, F15-8x50cy

- Provide generous 14- or 8-place 50 mL capacity, and g-forces up to 24,446 x g for sample preparation without tube damage.
- Process 15 mL conical tubes with available adapters for flexibility.

Micro-volume protocol support

Fiberlite | F21-48x1.5

- Run up to 48 tubes at over 25,000 x g, doubling the capacity of conventional rotors and reducing processing by half.
- Provide ultimate user convenience with non-corroding, dual-row configuration.
- Compatible with 2.0 mL microtube centrifugal filter units.

Outstanding microplate processing

Fiberlite | H3-LV

- Experience exceptional capacity of 28 standard plates or 8 deep-well plates per run with g-forces up to 2,740 x g.
- Compatible with Thermo Scientific Nalgene and Nunc, Promega® and Qiagen microplates.
- Ideal for pelleting cells and cellular debris, protein precipitation, plasmid purification and collecting physiological fluids for diagnostic testing.

Figure 14: Easy and secure push-button Auto-Lock rotor exchange in less than 3 seconds for application versatility and cleaning convenience.

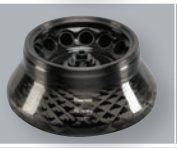
Specifications/Ordering Information

Rotors		C	Sample Containment	Cat. No.	Related Centrifuge Thermo Scientific	Max Speed (rpm)	Max RCF (x g)
Sorvall® LYNX Superspeed Rotors with Auto-Lock							
	**Fiberlite F9-6x1000 LEX**			**096-061075**	Sorvall LYNX 6000	9,000	17,568
	**Fiberlite F10-4x1000 LEX**		☣	**096-041075**	Sorvall LYNX 6000, 4000	10,500	20,584
	**Fiberlite F12-6x500 LEX**		☣	**096-062375**	Sorvall LYNX 6000, 4000	12,000	24,471
	**Fiberlite F14-6x250y**		☣	**096-062075**	Sorvall LYNX 6000, 4000	14,000	30,240
	**Fiberlite F14-14x50cy**	■	☣	**096-145075**	Sorvall LYNX 6000	14,000	33,746
		■	☣	**096-145075**	Sorvall LYNX 4000	13,000	29,097
	**Fiberlite F20-12x50 LEX**		☣	**096-124375**	Sorvall LYNX 6000	20,000	51,428
			☣	**096-124375**	Sorvall LYNX 4000	18,000	41,657
	**Fiberlite F21-8x50y**			**096-084275**	Sorvall LYNX 6000	20,000	47,850
				096-084275	Sorvall LYNX 4000	18,000	38,759
	**Fiberlite F23-48x1.5**			**096-484075**	Sorvall LYNX 6000	23,000	57,368
				096-484075	Sorvall LYNX 4000	18,500	37,116

C = Conical Tubes

☣ Biocontainment certification by the Public Health Laboratory Service, Microbiology Services, Porton Down, UK.

Specifications/Ordering Information

Rotors		C	Sample Containment	Cat. No.	Related Centrifuge		Max Speed (rpm)	Max RCF (x g)
					Thermo Scientific	Beckman®		
Superspeed Rotors								
	**Fiberlite F8-6x1000y**			**76641**	Sorvall Evolution™ RC Series		8,500	15,800
	**Fiberlite F10-4x1000 LEX**		☣	**096-041053**	Sorvall RC 6™ Plus		9,500	16,880
				096-041053	Sorvall Evolution RC Series		9,000	15,150
				096-041053	Sorvall RC-5, RC-2 Series		7,000	9,160
	**Fiberlite F12-6x500 LEX**		☣	**096-062185**	Sorvall RC 6 Plus, Evolution RC Series		12,000	24,500
				096-062185	Sorvall RC-5, RC-2 Series		10,000	17,000
	**Fiberlite F10-6x500y**			**096-062114**		J2, Avanti® Series[8]	10,000	17,700
	**Fiberlite F14-6x250y**		☣	**78500**	Sorvall RC 6 Plus, Evolution RC, RC-6, RC-5, RC-2 Series		14,000	30,100
	**Fiberlite F13-14x50cy**	■	☣	**46922**	Sorvall RC 6 Plus RC-5, RC-2 Series		13,000	29,000
		■		**096-145011**		J2, Avanti Series[8]	14,000	33,600
	**Fiberlite F20-6x100**			**096-064025**	Sorvall RC 6 Plus		20,000	43,900
				096-064025	Sorvall RC-5, RC-2 Series		20,000	43,000
	**Fiberlite F21-8x50y**		☣	**46923**	Sorvall RC 6 Plus RC-5, RC-2 Series		20,000	47,500
	**Fiberlite F21-48x1.5**			**096-484020**	Sorvall RC 6 Plus RC-5, RC-2 Series		20,000	43,500

[8] Except the Avanti J-HC.

C = Conical Tubes

☣ Biocontainment certification by the Public Health Laboratory Service, Microbiology Services, Porton Down, UK.

Rotors		C	Sample Containment	Cat. No.	Related Centrifuge			Max Speed (rpm)	Max RCF (x g)
					Thermo Scientific	Beckman	Hitachi®		
Ultraspeed Rotors									
	**Fiberlite F37L-8x100**			**096-08056**	Sorvall WX Series	L Series[9]	CP-WX Series[10]	37,000	182,460
	**Fiberlite F50L-8x39**			**096-087051**	Sorvall WX Series	L Series[9]	CP-WX Series[10]	50,000	266,280
	**Fiberlite F65L-6x13.5**			**096-067135**	Sorvall WX Series	L Series[9]	CP-WX Series[10]	65,000	324,140
	**Fiberlite F50L-24x1.5**			**096-247028**	Sorvall WX Series	L Series[9]	CP-WX Series[10]	50,000	280,000
Large Capacity Rotors									
	**Fiberlite F8-6x1000y**			**096-061137**	Sorvall RC BIOS			8,500	15,900
	**Fiberlite H3-LV**			**096-028016**	Sorvall RC 3B, RC 3C Series			3,200	1,940
				096-028015		J6 Series		3,200	1,940
Benchtop Rotors									
	**Fiberlite F14-6x250 LE**		☣	**75003662**	Sorvall Legend® XT, Heraeus® Multifuge® X3, SL 40F Series			10,000/ 11,000[11]	15,317/ 18,533[11]
				75006517	Sorvall Legend T, Heraeus Multifuge 3 Series			10,000/ 11,000[11]	15,317/ 18,533[11]
	**Fiberlite F15-6x100y**		☣	**75003698**	Sorvall Legend X1, Sorvall Legend XT, Heraeus Multifuge X1, Heraeus Multifuge X3, SL 40F Series			15,000	24,652
			☣	**75003698**	Sorvall ST 16, Sorvall ST 40, Heraeus Megafuge® 16, Heraeus Megafuge 40, SL 16, SL 40 Series			13,000	18,516
	**Fiberlite F13-14x50cy**	■		**75003661**	Sorvall Legend X1, Sorvall Legend XT, Heraeus Multifuge X1, Heraeus Multifuge X3, SL 40F Series			9,250/ 10,000[11]	14,636/ 17,105[11]
		■		**75006526**	Sorvall Legend T, Heraeus Multifuge 3 Series			9,250/ 10,000[11]	14,636/ 17,105[11]
	**Fiberlite F15-8x50cy**	■	☣	**75003663**	Sorvall Legend X1, Sorvall Legend XT, Heraeus Multifuge X1, Heraeus Multifuge X3 Series			14,500	24,446
		■		**75006516**	Sorvall Legend T, Heraeus Multifuge 3 Series			12,000/ 14,500[11]	16,741 / 24,446[11]
	**Fiberlite F21-48x1.5/2.0**		☣	**75003664**	Sorvall Legend X1, Sorvall Legend X3, Sorvall ST 40, Heraeus Multifuge X1, Heraeus Multifuge X3, Heraeus Megafuge 40, SL 40 Series			15,200	25,055
				75006527	Sorvall Legend T, Heraeus Multifuge 3 Series			15,000	24,400
	**Fiberlite H3-LV**			**75003665**	Sorvall Legend XT, Heraeus Multifuge X3, SL 40F Series			3,600	2,738

[9] Recommended for L8M and prior models.
[10] Not available in all countries.
[11] With 230 V centrifuge

C = Conical Tubes

Perfect Fit

Thermo Scientific Fiberlite rotors with Nalgene® bottles and tubes
bring together best-in-class quality and performance.

Select Fiberlite rotors come complete with an **initial set of Nalgene products.**

Nalgene Bottles and Tubes	Nominal Capacity[6] per Cavity	Description	Cat. No.	Fiberlite Rotor
	**1L**	Nalgene Wide-mouth Superspeed Bottle, PC; SCA, PP	3140-1002	**F9-6x1000 LEX** **F10-4x1000 LEX**
		Nalgene Wide-mouth Superspeed Bottle, PPCO; SCA, PP	3141-1002	
	**500 mL**	Nalgene Wide-mouth Superspeed Bottle, PC; SCA, PP	3140-0500	**F12-6x500 LEX**
		Nalgene Wide-mouth Superspeed Bottle, PPCO; SCA, PP	3141-0500	
	**250 mL**	Nalgene Bottle, PC; SCA, PP	3140-0250	**F14-6x250y**
		Nalgene Bottle, PPCO; SCA, PP	3141-0250	
	**50 mL**	Nalgene Oak Ridge Tube, PC; SCA, PP	3138-0050	**F21-8x50y** **F20-12x50 LEX**
		Nalgene Oak Ridge Tube, PPCO; SCA, PP	3139-0050	

PC = Polycarbonate
PPCO = Polypropylene copolymer
SCA = Screw closure assembly
PP = Polypropylene

[6] Actual fill volumes may vary from nominal volume.

Optimize the performance of your centrifuge

It's simple. From 1 L bottles, to 15 and 50 mL conical tubes, to microplates and tissue culture flasks, the versatile selection of **Thermo Scientific Nalgene and Nunc centrifugation products** work seamlessly with your complete centrifuge and rotor system, bringing together best-in-class quality and performance.

Thermo Scientific Fiberlite **Rotor Adapters and Accessories**

39 mL Ultraspeed

Rotor Volume[6] Description	No. of Vessels per Adapter	Cat. No.
13.5 mL Tube	1	010-1142

50 mL

Rotor Volume[6] Description	No. of Vessels per Adapter	Cat. No.
30 mL Oak Ridge Tube	1	010-0167
16 mL Oak Ridge Tube	1	010-0382
15 mL Conical Tube	1	010-1123
10 mL Oak Ridge Tube	1	010-1306
10 mL BD Vacutainer® Tube	1	010-1068
3 mL BD Vacutainer Tube	1	010-1128
1 mL BD Microtainer® Tube	3	010-1127

50 mL Conical

Rotor Volume[6] Description	No. of Vessels per Adapter	Cat. No.
50 mL Oak Ridge Tube	1	010-0377
30 mL Oak Ridge Tube	1	010-1147
16 mL Oak Ridge Tube	1	010-0376
15 mL Conical Tube	1	010-0378
15 mL Millipore® Filtration Device	1	010-1340
10 mL Oak Ridge Tube	1	010-1311
10 mL BD Vacutainer Tube	1	010-1124

100 mL

Rotor Volume[6] Description	No. of Vessels per Adapter	Cat. No.
50 mL Oak Ridge Tube	1	010-1194
30 mL Oak Ridge Tube	1	010-1273
16 mL Oak Ridge Tube	1	010-1272
10 mL Oak Ridge Tube	1	010-1310
10 mL BD Vacutainer Tube	1	010-1274
3 mL BD Vacutainer Tube	3	010-1126
1 mL BD Microtainer Tube	6	010-1125

100 mL Ultraspeed

Rotor Volume[6] Description	No. of Vessels per Adapter	Cat. No.
39 mL Tube	1	010-0189
13.5 mL Tube	1	010-0191

250 mL

Rotor Volume[6] Description	No. of Vessels per Adapter	Cat. No.
100 mL Oak Ridge Tube	1	010-1119
50 mL Conical Tube	1	010-0136
50 mL Oak Ridge Tube	1	010-0138
30 mL Oak Ridge Tube	2	010-1072
16 mL Oak Ridge Tube	5	010-1074
15 mL Corning® Conical	5	010-1073
15 mL Conical Tube	5	010-1410
10 mL Oak Ridge Tube	7	010-1309
10 mL BD Vacutainer Tube	7	010-1117
3 mL BD Vacutainer Tube	10	010-1138

500 mL

Rotor Volume[6] Description	No. of Vessels per Adapter	Cat. No.
250 mL Conical Tube	1	010-1135
250 mL Oak Ridge Tube	1	010-0151
175 mL Nalgene Conical Bottle	1	010-0152
100 mL Oak Ridge Tube	1	010-1114
50 mL Conical Tube	1	010-1102
50 mL Oak Ridge Tube	2	010-1112
30 mL Oak Ridge Tube	3	010-1115
16 mL Oak Ridge Tube	7	010-1105
15 mL Conical Tube	6	010-1099
10 mL Oak Ridge Tube	7	010-1308
10 mL BD Vacutainer Tube	7	010-1103
3 mL BD Vacutainer Tube	14	010-1137

1000 mL

Rotor Volume[6] Description	No. of Vessels per Adapter	Cat. No.
500 mL Oak Ridge Tube	1	010-0145
250 mL Conical Tube	1	010-1096
250 mL Oak Ridge Tube	1	010-0150
175 mL Nalgene Conical Bottle	1	010-1132
100 mL Oak Ridge Tube	3	010-1093
50 mL Conical Tube	5	010-0180
50 mL Oak Ridge Tube	7	010-0191
30 mL Oak Ridge Tube	7	010-1095
16 mL Oak Ridge Tube	15	010-1087
15 mL Conical Tube	12	010-1079
10 mL Oak Ridge Tube	18	010-1307
10 mL BD Vacutainer Tube	18	010-1415
6 mL BD Vacutainer Tube	22	010-1416
4 mL BD Vacutainer Tube	19	010-1418
2 mL Filtration Tube and 1.5 mL Conical Tube	12	010-1417
1.8-2.7 mL BD Vacutainer Tube	30	010-1419

H3-LV Rotor

Rotor Volume[6] Description	No. of Vessels per Adapter	Cat. No.
Promega Slicprep™ 96 Device (4 per run)	2	018-029032
Standard Microplates (28 per run)	14	018-029031
2 mL Deep-well Microplates (8 per run)	4	018-029031

ADAPTERS SOLD IN SETS OF 2

[6] Actual fill volumes may vary from nominal volume.

Centrifuge Rotor Maintenance

Centrifuge rotor maintenance is critical to the protection of your samples. Leveraging more than 100 years of experience and leadership in centrifugation, our Thermo Scientific Rotor Safety Program, featuring on-site rotor inspection and safety clinics, ensures the longevity of your investment and the safety of your workplace by preventing premature rotor failure.

Thermo Scientific product representatives will evaluate the safety of your rotors and provide a comprehensive report for each rotor examined. As part of the inspection, our representatives will present information on proper rotor care and offer recommendations based upon the current rotor condition to maximize the performance of your centrifuge.

Please contact your sales representative to schedule a clinic or visit **www.thermoscientific.com/rotorsafety.**

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